

# The Western Journal of Medicine

VOLUME 147 • NUMBER 1 • JULY 1987

## CONTENTS

### CLINICAL INVESTIGATION

#### 37 Carpal Tunnel Syndrome in Grocery Checkers—A Cluster of a Work-Related Illness

SCOTT BARNHART, MD, and LINDA ROSENSTOCK, MD, MPH

*From the Occupational Medicine Program, Department of Medicine, Harborview Medical Center, University of Washington School of Medicine, Seattle.*

### CLINICAL MEDICINE

#### 41 Tracheostomy Tube Failure in Obstructive Sleep Apnea

DAVID M. RODMAN, MD, and RICHARD J. MARTIN, MD

*From the Cardiovascular and Pulmonary Research Laboratory, Division of Pulmonary Diseases, University of Colorado Health Sciences Center, and the National Jewish Center for Immunology and Respiratory Medicine, Denver.*

#### 44 Ethnic Variability in Cholelithiasis—An Autopsy Study

JOSE A. AREVALO, MD; ALISON OKADA WOLLITZER, PhD; MIGUEL BERRY CORPORON; MIRIAM LARIOS; DAVID HUANTE, and MARIA TERESA ORTIZ

*From the Department of Family Practice, University of California, Davis, Medical Center, Sacramento, and the Division of Family and Community Medicine, University of California, San Francisco, School of Medicine.*

### MEDICAL PROGRESS

#### 48 Association of $\alpha_1$ -Antitrypsin Deficiency With Lung and Liver Diseases

MARIELA RESENDES, MD

*From the Department of Medicine, St Mary's Hospital and Medical Center, San Francisco. Dr Resendes is currently in the Department of Radiology, Stanford University Hospital, Stanford, California.*

### SPECIALTY CONFERENCE

#### 54 Cardiac Ischemia. Part II—Reperfusion and Treatment

Moderator: GLENN A. LANGER, MD

Discussants: GERALD D. BUCKBERG, MD, and JAN H. TILLISCH, MD

*An edited summary of an Interdepartmental Conference arranged by the Department of Medicine of the UCLA School of Medicine, Los Angeles. The Director of Conferences is William M. Pardridge, MD, Professor of Medicine.*

#### 62 Editorial Comment: Treatment of Acute Myocardial Ischemia

ROBERT B. JENNINGS, MD

*Dr Jennings is James B. Duke Professor and Chair, Department of Pathology, Duke University Medical Center, Durham, North Carolina.*

### MEDICAL STAFF CONFERENCE

#### 65 Biochemical and Clinical Aspects of Amyloidosis

Discussants: DIANE HAVLIR, MD, and LAWRENCE M. TIERNEY, Jr, MD

*A discussion selected from the weekly staff conferences in the Department of Medicine, University of California, San Francisco, School of Medicine. Taken from a transcription, it was prepared by Drs Homer A. Boushey, Associate Professor of Medicine, and David G. Warnock, Associate Professor of Medicine, under the direction of Dr Lloyd H. Smith, Jr, Professor of Medicine and Associate Dean in the School of Medicine.*

### EPITOMES—IMPORTANT ADVANCES IN CLINICAL MEDICINE

#### Psychiatry

*Items of progress in psychiatry. Each item in the judgment of a panel of knowledgeable physicians has recently become reasonably firmly established, both as to scientific fact and important clinical significance.*

#### 71 Current Perspectives in Posttraumatic Stress Disorders

J. DAVID KINZIE, MD

#### 71 Group Therapy and Schizophrenia

NICK KANAS, MD

#### 72 Update on Psychoneuroimmunology

GEORGE FREEMAN SOLOMON, MD

(Continued on Page 16)

(Continued from Page 13)

- 72 **Methods to Aid Memory in the Aged**  
JEROME A. YESAVAGE, MD
- 73 **Environmental Sensitivity—Allergic to Everything?**  
CARROLL M. BRODSKY, MD
- 73 **Long-term Effects of Terrorism on Children**  
SPENCER ETH, MD
- 74 **Children at Risk—New Aspects**  
IRVING PHILIPS, MD
- 74 **Family Involvement in Managing Schizophrenia**  
DAVID SPIEGEL, MD
- 75 **Childhood Depression—A Recent Phenomenon?**  
IRVING N. BERLIN, MD
- 75 **Antidepressant Treatment for Bulimia**  
JOEL YAGER, MD
- 76 **The Dopamine Hypothesis Revisited**  
ALLEN R. DORAN, MD
- 76 **Psychopharmacology of the Aged**  
GARY W. SMALL, MD
- 77 **Changing Trends in Accusations of Child Sexual Abuse**  
GRAEME HANSON, MD
- 77 **Genetics of Mental Illness**  
VICTOR I. REUS, MD

## EDITORIALS

- 79 **Predictors of Physician Performance**
- 79  **$\alpha_1$ -Antitrypsin—An Investigative Odyssey From the Benchtop to the Bedside**  
JAMES E. GADEK, MD  
*Dr Gadek is Director, Pulmonary and Critical Care Division, and Associate Professor of Medicine, Ohio State University College of Medicine, Columbus.*
- 80 **Are We Losing Ourselves Among the Trees?**

## CASE REPORTS

- 81 **Perforated Diverticulitis of the Transverse Colon**  
MICHAEL D. PECK, MD, and HUGO V. VILLAR, MD  
*From the Department of Surgery, Arizona Health Sciences Center, University of Arizona College of Medicine, Tucson.*
- 84 **Hematogenously Acquired Aspergillus Vertebral Osteomyelitis in Seemingly Immunocompetent Drug Addicts**  
DAVID L. BROWN, MD; DANIEL M. MUSER, MD, and GEORGE E. TAFFET, MD  
*From the Medical Service, Veterans Administration Medical Center, and the Infectious Disease Section, Departments of Medicine, Microbiology and Immunology, Baylor College of Medicine, Houston. Dr Brown is now at the Cancer Research Institute, University of California, San Francisco, School of Medicine.*

## CORRESPONDENCE

- 86 **Preventive Care Screening for Adolescents—What About Substance Abuse Screening?**  
RICHARD RIES, MD
- 86 **Dental Professionals and HIV Infection**  
L. DANIEL SCHAEFFER, PhD, DDS; HAROLD A. LUBICK, DDS, MD, and STEVEN H. KLEINMAN, MD
- 86 **Hypomagnesemia**  
EDMUND B. FLINK, MD, PhD; JERRY K. AIKAWA, MD; ROBERT WHANG, MD, and WARREN E. C. WACKER, MD
- 87 **The California Alpha-Fetoprotein Screening Program Defended**  
GEORGE C. CUNNINGHAM, MD

## TOPICS IN PRIMARY CARE MEDICINE

- 88 **Treating Somatizing Patients**  
GEOFFREY H. GORDON, MD  
*From the Ambulatory Care, Medical and Psychiatry Services, Veterans Administration Medical Center, and the Departments of Medicine and Psychiatry, Oregon Health Sciences University School of Medicine, Portland.*

(Continued on Page 18)

(Continued from Page 16)

## HEALTH CARE DELIVERY

## 92 House Calls in Utah

MARK S. SCHUELER, MD; DONA L. HARRIS, PhD; GERALD K. GOODENOUGH, MD, MSPH, and LINDA COLLETTE, MS

*From the Department of Family Practice, Saint Mary's Hospital, Grand Rapids, Michigan; the Department of Family and Community Medicine, University of Utah School of Medicine, and the Department of Analytical Studies, Utah System of Higher Education, State Board of Regents, Salt Lake City.*

## PUBLIC HEALTH

## 95 Acute Symptoms in Persons Residing Near a Field Treated With the Soil Fumigants Methyl Bromide and Chloropicrin

LYNN R. GOLDMAN, MD, MPH; DONALD MENGLE, MS; DAVID M. EPSTEIN, MA; DELORIS FREDSON, RN; KEM KELLY, MD, and RICHARD J. JACKSON, MD, MPH

*From the Epidemiological Studies and Surveillance Section, Department of Health Services, Berkeley, and the Stanislaus County Health Department, Modesto, California.*

## MEDICAL EDUCATION

## 99 Sociodemographic and Premedical School Factors Related to Postgraduate Physicians' Humanistic Performance

LAWRENCE S. LINN, PhD; DENNIS W. COPE, MD, and ALAN ROBBINS, MD

*From the School of Public Health, Department of Medicine, Center for the Health Sciences, University of California, Los Angeles, School of Medicine, and the UCLA San Fernando Valley Training Program, Veterans Administration Medical Center, Sepulveda, California.*

## SPECIAL ARTICLE

## 104 Guidelines for the Control of Perinatally Transmitted Human Immunodeficiency Virus Infection and Care of Infected Mothers, Infants and Children

GEORGE W. RUTHERFORD, MD; GERALDINE E. OLIVA, MD, MPH; MOSES GROSSMAN, MD; JAMES R. GREEN, MD; DIANE W. WARA, MD; NANCY S. SHAW, PhD; DEAN F. ECHENBERG, MD, PhD; CONSTANCE B. WOFSEY, MD; DANIEL H. WEINSTEIN, LLB; FLORENCE STROUD, MSN, MPH; EDWIN S. SANSFIELD, MSW, and DAVID WERDEGAR, MD, MPH

*From the Departments of Public Health and Social Services, and the Superior Court, City and County of San Francisco; the Departments of Pediatrics, Obstetrics, Gynecology and Reproductive Services and Medicine, AIDS Activities Unit, San Francisco General Hospital and Medical Center; the Department of Pediatrics, University of California, San Francisco, School of Medicine, and the San Francisco AIDS Foundation.*

## 109 Editorial Comment: Controlling Perinatally Acquired HIV Infection

MARTHA F. ROGERS, MD

*Dr Rogers is Chief, Pediatric and Family Studies Section, AIDS Program, Center for Infectious Diseases, Centers for Disease Control, Atlanta.*

## OTHER FEATURES

## 8 Books Received

## 11 Information for Authors

## 22 Continuing Medical Education Activities in Arizona; California, Hawaii and Nevada; Idaho; Montana; New Mexico; Utah; Washington; Wyoming

## 40 The Corporate Physician Today

JEAN SPENCER FELTON, MD

## 112 Classified Advertising

## 121 Subscription Information

## 124 Western State Medical Associations' Meetings

★ Official Journal of the Arizona Medical Association, the California Medical Association, the Idaho Medical Association, the Montana Medical Association, the Nevada State Medical Association, the New Mexico Medical Society, the Utah State Medical Association, the Washington State Medical Association and the Wyoming Medical Society. Affiliated Specialty Society: California Society of Internal Medicine.

★ Affiliated Clinical Investigation Societies: the Western Association of Physicians; the Western Society for Clinical Investigation; the Western Section, American Federation for Clinical Research; the Western Society for Pediatric Research; the Western Region, Society for Investigative Dermatology.